# Vivek M

Machine Learning Enthusiast


**CONTACT**

**Phone**: 7975454720
**Email**: vivekmahendra57@gmail.com

**Address**: Alliance University, Bengaluru

**Portfolio**: https://vivekmahendra13.github.io/portfolio/#publications


**OBJECTIVE**

Motivated machine learning student with a solid foundation in Python, statistical modeling, and data preprocessing. Seeking an opportunity to apply my skills in a dynamic tech environment. Passionate about AI and its applications in solving real-world problems. Eager to learn and collaborate on innovative projects. Committed to contributing to a forward-thinking team.

**EDUCATION**

**Alliance University, Bengaluru (Currently Pursuing)**

BTech in Computer Science and Engineering
Specialization in Artificial Intelligence and Machine Learning

- CGPA: 8.7 (Up to 5th Sem)

**PROGRAMMING LANGUAGES**

- Python
- C
- C++
- HTML
- CSS
- Artificial Intelligence and Machine Learning

**PROJECTS**

**Stock Market Prediction using Neural Networks by combining CNN and LSTM Models**

- My research was based on predicting the stock prices using Candlestick patterns by CNN & LSTM models.
- Published my Research Paper in 8th International Conference on Innovative Computing and Communication (ICICC - 2025). My research was based on predicting the stock prices using Candlestick patterns by CNN & LSTM models. Published my Research Paper in 8th International Conference on Innovative Computing and Communication (ICICC - 2025).

**Carbon Footprint Tracker**

- This Project was developed as a problem statement was given in a 24 hour hackathon named INFOTHON 4.0 Conducted by Vidyavardhaka College of Engineering (VVCE) Mysuru.
- In this project various Machine learning models has been used such as LSTM, ANN and Genetic algorithm by this hybrid model we have been provided a user interface by web application using streamlit where user can manually input the details and can track the carbon footprints.

**Weather Forecasting and Time Series Analysis using R - Programming.**

- Designed on popular R-packages and libraries such as forecast, tseries, ARIMA, NDVI and moving averages.
- Implemented on Historical Weather Data to predict the weather patterns and trends

## PROJECTS

**Sentiment Analysis using Natural Language Processing (NLP)**

- Designed and analyzed on using popular libraries NLTK, Pandas, NumPy, matplotlib and beautifulsoup4.
- Implemented on data like comments and reviews to determine whether data is positive, negative or neutral.

**Automated Disease Risk Prediction using Deep Neural Networks (DNN)**

. The use of deep neural networks in providing risk assessment of heart disease, kidney disease, and diabetes based on patients' own self-reported health measures will enhance the early detection and management healthcare services.

. In combination with SHAP which provides a visual representation of feature importance, the system predicts risk percentages but also provides explainability and prevention recommendations using an interactive Streamlit app.

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## CERTIFICATES

- INTERNATIONAL CONFERENCE ON INNOVATIVE COMPUTING AND COMMUNICATION (ICICC - 2025) Certificate for Publishing my Research work as a Co - author. Career
- Essentials in Generative AI by Microsoft and LinkedIn.
- Internz Learn Internship Certificate on Machine Learning. Participation
- Certificate in Infothon (24 hours Hackathon).
  Participated In Ideathon 2025 and Secured as Top 7th team out of 22 teams.